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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/673,144	09/30/2003	Soon-Young Park	041993-5227	3821

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EXAMINER

NGUYEN, DUNG T

ART UNIT	PAPER NUMBER
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2871

MAIL DATE	DELIVERY MODE
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02/29/2008

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/673,144	Applicant(s) PARK ET AL.	
	Examiner Dung Nguyen	Art Unit 2871	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 07 February 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,2,4-9,11-15 and 17-25 is/are pending in the application.
- 4a) Of the above claim(s) 22 and 25 is/are withdrawn from consideration.
- 5) ☒ Claim(s) 20 and 21 is/are allowed.
- 6) ☒ Claim(s) 1,2,5-9,12-15,18,19,23 and 24 is/are rejected.
- 7) ☒ Claim(s) 4,11 and 17 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Applicants' amendment dated 02/07/2007 has been received and entered. Claims 1-2, 4-9, 11-15, 17-21, 23 and 24 are pending the application. Claims 22 and 25 stand withdrawn from consideration.

Applicant's arguments filed 02/07/2007 have been fully considered and are persuasive. Therefore, the final rejection dated 09/07/2007 has been withdrawn. However, upon further consideration and discover the new art, a new ground(s) of rejection is made as follow.

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-2, 5, 7-9, 12, 14, 15, 18 and 23-24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ha, US Patent No. 6,081,307, in view of Kim et al., US 6,246,074.

Regarding the above claims, Ha discloses a liquid crystal display (LCD) device and a method of forming the same (figure 5) comprising:

- . a plurality of data lines (5);
- . a plurality of gate lines (4);
- . a source driver (6), wherein a source printer circuit board inherently formed for supplying signal and grounding;
- . a gate driver (7);

. a plurality of common voltage lines (8);
. a plurality of static electricity preventing units (15); wherein at least one of the static electricity preventing unit (46) is directly connected to the gate/source driver as claimed (see figure 5).

Ha, however, does not disclose a first dummy line connected to the gate lines and the common voltage line through the static electric preventing units. Kim et al. do disclose a dummy line (a low level gate line 42) can be connected to a gate line (30) and a common voltage line (44 connected to 36A) through a static electricity preventing unit (40). Therefore, it would have been obvious to one skilled in the art at the time of the invention was made to employ the Ha's device including a dummy line that connected to the gate line and the common voltage line through a static electricity preventing unit as shown by Kim et al. in order to protect a driving thin film transistor (TFT) from the static electricity (see col. 7, ln 45).

3. Claims 6, 13 and 19 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Ha, US Patent No. 6,081,307, in view of Kim et al., US 6,246,074.

Regarding the above claims, Ha does not disclose a silver dot in the LCD device. It would have been obvious to one of ordinary skill in the art to employ at least one silver dot in an LCD device as evidence from Applicants' Related Art (see page 2, line 1 and figure 1) in order to supply a common voltage to a common electrode.

Allowable Subject Matter

4. Claims 20-21 are allowed.

5. Claims 4, 11 and 17 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

6. The following is a statement of reasons for the indication of allowable subject matter:

None of the prior art of record discloses or suggests alone or in combination that an LCD device comprising a combination of various elements as claimed more specifically of first and second dummy lines connected to gate/data lines and common voltage lines through static electricity preventing units as set forth in claims 4, 11, 17 and 20.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dung Nguyen whose telephone number is 571-272-2297. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Nelms can be reached on 571-272-1787. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2871

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

DN
02/19/2008

/Dung T. Nguyen/
Dung Nguyen
Primary Examiner
Art Unit 2871